

Note: *Highlighted, italicized text* indicates REVISIONS to the version of the NJTA 2004 Standard Supplementary Specifications which existed prior to the issuance of this DCA.

SECTION 432 - MECHANICALLY STABILIZED EARTH (MSE) WALLS

432.02 MATERIALS

Materials shall conform to the current editions of AASHTO LRFD Bridge Design Specifications with Interims and AASHTO LRFD Bridge Construction Specifications with Interims with modifications herein and the provisions of the wall system selected for construction in this contract.

Bearing pads shall conform to the requirements of the wall manufacturer.

Filter fabric shall conform with Subsection 923.21.

Where select backfill may be inundated with chemically aggressive tidal, flood or ground water, the use of soil reinforcements of stainless steel Grade 316L may be considered. In such a case, minimum corrosion rates shall be 0.5 mil/year for the first 10 years and 0.2 mil/year for subsequent years. The wall system supplier shall make recommendations regarding the corrosion rates that shall provide the required 75 or 100 year service life. The determination of corrosion rates shall be based on data presented in the most recent edition of "Underground Corrosion", by Melvin Romanoff.

(A) MSE Wall Systems

The following MSE Wall Systems are permissible for use in this Contract:

Sine Wall MSE Panel System
Sine Wall, LLC
7162 Liberty Centre Drive, Suite 105
West Chester, Ohio 45069
www.sinewall.com
513-759-2345 Office
513-297-7930 Fax

Reinforced Earth as manufactured by
Reinforced Earth Company
8614 Westwood Center Drive, Suite 1100
Vienna, VA 22182-2233
Telephone Number: 703-749-9246

Retained Earth as manufactured by
Reinforced Earth Company
8614 Westwood Center Drive, Suite 1100
Vienna, VA 22182-2233
Telephone Number: 703-749-9246

SSL MSE Plus Retaining Wall System as manufactured by
SSL
4740 Scotts Valley Drive, Suite E
Scotts Valley, CA 95066
Telephone Number: 831-430-9300
Fax Number: 831-430-9340

Isogrid Retaining Wall System as manufactured by
The Neel Company
8328-D Traford Lane
Springfield, VA 22152
Telephone Number: 703-913-7858

Tricon Retained Soil Wall System
Tricon Precast, Ltd.
Main Office
15505 Henry Rd.
Houston, Tx 77060
Info@Triconprecast.Com
281-931-9832 Office
281-931-0061 Fax
877-387-4266 Toll Free

Earth Tec Retaining Wall System
EarthTec, Inc.
413 Browning Court
Purcellville, VA 20132
703-771-7305 (tel)
703-771-7306 (fax)

Use of extensible soil reinforcement for MSE walls shall not be permitted.

Selection of only one (1) wall system will be permitted for use on this Contract. The Contractor shall make its own arrangements to purchase the materials and services from one of the manufacturers of a permissible MSE Wall Systems listed herein.

An on-site technical representative from the selected MSE Wall Systems manufacturer shall be present to assist and instruct during the installation of the first two-panel courses, as a minimum.

Except as may be modified within this Section, all applicable provisions of Sections 400 and 900 shall apply in furnishing MSE Wall Systems.